**Comparative Statement**

BBMP/2020-21/OW/WORK_INDENT42404

Improvements to roads and drains at Thirumenahalli Colony in Ward No.05

| SNo | Item Name | Unit | Estimate Quantity | Estimate Rate | Total Amount | M SUDARSHAN RAJU ( MSJATHIN INFRA PRIVATE LIMITED ) | |
|---|---|---|---|---|---|---|---|
| | | | | | | Quoted Rate | Total Amount |
| 1 | KSRRB M200-13.1 Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 & M-20. MORTH Specification No. 202. (P.No. 139, I No. 18.20 of CSR 2018-19) | Cum | 408.30 | 501.38 | 204713.45 | 526.00 | 214765.80 |
| 2 | KSRRB M300-14. Excavation for roadwork in all types of soil by mechanical means including cutting and loading to tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transportation with a lead of 1.00 km and complete as per specifications. MORTH Specification No.301 (P.No.143, I.No.19.14 of PW P&IWTD S R 2018-19) | Cum | 1579.27 | 128.30 | 202620.34 | 135.00 | 213201.45 |
| 3 | KSRB 4-1.2 Providing and laying in position plain cement concrete of Mix 1:3:6 with OPC @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.No.13, I.No.4.2 of PW. P&IWTD SR 2018-19) | Sqm | 101.04 | 5505.64 | 556289.87 | 5780.00 | 584011.20 |
| 4 | Providing laying plain/ reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and down size granite metal coarse aggregates at 0.69 cum and fine aggregates at 0.43cum machine mixed, well compacted for walls and bottom including centring, shuttering, cost of materials, HOM of machinery, curing etc., complete excluding cost of steel as per MORTH specification No. 1500, 1700, 2200. including cost of materials, labour, HOM complete as per specification 15cm wall and bottom thickness (P.No.275, I No 37.59.2 of PW, P&IWTD SR 2018-19) | Cum | 194.40 | 7070.20 | 1374446.88 | 7423.00 | 1443031.20 |
| 5 | 34.17 Providing and laying in position plain/Reinforced cement cement concrete M20 for sub structure/Superstructure works, with cement @ 320 kgs, 20 mm & down size graded granite metal coarse aggregate @ 0.69 cum and fine aggregates @ 0.46 cum machine mixed with super plasticisers @ 3 lts confirming to IS 9103-2008,concrete laid in layers, well compacted and providing weep holes wherever necessary. with necessary scaffolding, form work etc., including cost of labour. HOM curing etc., complete. (P.No.257, I.No.34.17 of PW, P&IWTD SR 2018-19) | Cum | 56.16 | 5277.74 | 296397.88 | 5541.00 | 311182.56 |
| 6 | KSRB 4-6.1 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specifcation No. KBS 4.6.1 (P.No.16, I.No.4.28 of PW.P&IWTD SR 2018-19) | Sqm | 31.20 | 273.48 | 8532.58 | 287.00 | 8954.40 |



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|---|---|---|---|---|---|---|---|
| | | | | | | Quoted Rate | Total Amount |
| 7 | KDRB 4-6.4 Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surfaces such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No.KBS 4.6.2 (P No 16, I No 4.31 of PW,P&IWTD SR 2018-19) | Sqm | 374.40 | 379.48 | 142077.31 | 398.00 | 149011.20 |
| 8 | KSRRB M2200-6 Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification, MORTH Specification No.1600 & 2200 TMT Bars Fe 500 (P No 16, I No 4.46.2 of PW, P&IWTD SR 2018-19) | Tonne | 17.42 | 75223.96 | 1310401.38 | 78978.00 | 1375796.76 |
| 9 | Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | 432.00 | 2337.00 | 1009584.00 | 2454.00 | 1060128.00 |
| 10 | Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | Sqm | 93.60 | 5416.00 | 507124.80 | 5688.00 | 532396.80 |
| 11 | KSRRB M300-53 Construction of embankment with approved material Gravel/Murrum with all lifts and leads transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of modified proctors density. MORTH Specification No. 305, (P No 147, I No 19.60 of PW,P&IWTD SR 2018-19) | Cum | 69.00 | 344.50 | 23770.50 | 362.00 | 24978.00 |
| 12 | KSRB 2.6 Providing and filling sand in foundation to required depth for sub soil treatment including watering ramming with all lead and lift complete as per specifications specification No. KBS 2.10.2, (P No 7, I No 2.13 of PW,P&IWTD SR 2018-19) | Cum | 69.00 | 2183.60 | 150668.40 | 2293.00 | 158217.00 |
| 13 | Construction of granular sub-base Grading-V as Sub base and drainage layer by providing coarse graded crushed stone aggregates of granite/trap/basalt material, mixing by mix in place method by rotavator at OMC, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the 98 % proctor density, complete as per specifications. Clause 401 of MORTH V Revision. (P No 153, I No 20.6 of PW,P&IWTD SR 2018-19) | Cum | 34.50 | 1855.00 | 63997.50 | 1948.00 | 67206.00 |

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|---|---|---|---|---|---|---|---|
| | | | | | | Quoted Rate | Total Amount |
| 14 | KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechanical mix plant carriage ' of mixed Material by tipper to site, laying in uniform layers with paver in sub-base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.No.155, I. No.22.18 of PW,P&IWTD SR 2018-19) | Cum | 46.00 | 2001.29 | 92059.88 | 2101.00 | 96646.00 |
| 15 | KSRRB M600-1. Construction of dry lean cement concrete mix DC1:5:10 with OPC cement @160Kgs. with 25mm and down size graded granite metal coarse aggregate at 0.86cum and fine aggregates @ 0.58cum. Sub- base over a prepared sub-grade with (coarse and fine aggregate conforming to IS: 383) aggregate cement ratio not to exceed 15:1. Aggregate gradation after blending to be as per Table 600-1, cement content not to be less than 160 kg/ cum, optimum moisture content to be determined during trial length construction, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a compacting with 8-10 tonnes vibratory roller, finishing and curing complete as per specifications. MORTH V Revision Specification No. 601, IS 456 Table-5, with OPC at 150 kg/cum and coarse aggregate 0.86cum, fine aggregate 0.58cum using Concrete Batch mix Plant at 75 cum/hr capacity with Slip (P.No.174, I.No.22.1.1 of PW P&IWTD SR 2018-19) | Cum | 306.22 | 3800.10 | 1163666.62 | 3990.00 | 1221817.80 |
| 16 | Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS 383-2016, with Superplasticizer at 3 lts conforming to IS 9103-2006, mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work ( steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine, and curing including cost of all materials, labour hire charges of machineries all lead & lift charges etc., complete as per | Cum | 306.22 | 5210.96 | 1596700.17 | 5471.00 | 1675329.62 |
| 17 | Vaccum de-watering with vaccum pump and suction mat and compaction with skin floater plubbed with floating disc including cost of generator, HOM of machinery, Screed Vibratory, Power Floater, blade and disc etc., with all lead and lift. (P.No 176, I.No.22.7 of PW P&IWTD S.R 2018-19) | Sqm | 2041.50 | 72.08 | 147151.32 | 75.50 | 154133.25 |
| | Total Summary Amount | | | | 8849201.88 | | 9290807.04 |
| | % against Estimated Rate | | | | | | 4.99 |
| | Total Bid Amount | | | | | | 9290807.04 (L1) |

Executive Engineer
Project Division
Kakinada Zone



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